

500 FS #7



PCT09

## RAW SEQUENCE LISTING

DATE: 05/15/2003

PATENT APPLICATION: US/09/787,677A

TIME: 10:25:09

Input Set : N:\AMC\pf0590usn\_subseqlist.txt

Output Set: N:\CRF4\05152003\I787677A.raw

1 <110> APPLICANT: INCYTE GENOMICS, INC.; YUE, Henry  
 2 LAL, Preeti G.; CORLEY, Neil C.  
 3 GUEGLER, Karl J.; BAUGHN, Mariah R.  
 4 LU, Dyung Aina M.; TANG, Y. Tom  
 6 <120> TITLE OF INVENTION: MEMBRANE-ASSOCIATED ORGANIZATIONAL PROTEINS  
 8 <130> FILE REFERENCE: PF-0590 USN  
 10 <140> CURRENT APPLICATION NUMBER: 09/787,677A  
 C--> 11 <141> CURRENT FILING DATE: 2002-08-26  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US99/22082  
 14 <151> PRIOR FILING DATE: 1999-09-23  
 16 <150> PRIOR APPLICATION NUMBER: US 60/172,228  
 17 <151> PRIOR FILING DATE: 1999-05-04  
 19 <150> PRIOR APPLICATION NUMBER: US 60/155,251  
 20 <151> PRIOR FILING DATE: 1998-10-13  
 22 <150> PRIOR APPLICATION NUMBER: US 60/155,215  
 23 <151> PRIOR FILING DATE: 1998-09-25  
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 27 <170> SOFTWARE: PERL Program  
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 35 <221> NAME/KEY: misc\_feature  
 36 <223> OTHER INFORMATION: Incyte ID No: 2687924CD1  
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 44 35 40 45  
 45 Asn Val Tyr Arg Ile Ile Ser Ile Gly Gly Ala Lys Ala Ile Ile  
 46 50 55 60  
 47 Asn Ser Thr Val Thr Pro Asn Met Thr Phe Thr Lys Thr Ser Gln  
 48 65 70 75  
 49 Lys Phe Gly Gln Trp Ala Asp Ser Arg Ala Asn Thr Val Tyr Gly  
 50 80 85 90  
 51 Leu Gly Phe Ala Ser Glu Gln His Leu Thr Gln Phe Ala Glu Lys  
 52 95 100 105  
 53 Phe Gln Glu Val Lys Glu Ala Ala Arg Leu Ala Arg Glu Lys Ser  
 54 110 115 120  
 55 Gln Asp Gly Gly Glu Leu Thr Ser Pro Ala Leu Gly Leu Ala Ser

ENTERED

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57 His Gln Val Pro Pro Ser Pro Leu Val Ser Ala Asn Gly Pro Gly
58          140          145          150
59 Glu Glu Lys Leu Phe Arg Ser Gln Ser Ala Asp Ala Pro Gly Pro
60          155          160          165
61 Thr Glu Arg Glu Arg Leu Lys Lys Met Leu Ser Glu Gly Ser Val
62          170          175          180
63 Gly Glu Val Gln Trp Glu Ala Glu Phe Phe Ala Leu Gln Asp Ser
64          185          190          195
65 Asn Asn Lys Leu Ala Gly Ala Leu Arg Glu Ala Asn Ala Ala Ala
66          200          205          210
67 Ala Gln Trp Arg Gln Gln Leu Glu Ala Gln Arg Ala Glu Ala Glu
68          215          220          225
69 Arg Leu Arg Gln Arg Val Ala Glu Leu Glu Ala Gln Ala Ala Ser
70          230          235          240
71 Glu Val Thr Pro Thr Gly Glu Lys Glu Gly Leu Gly Gln Gly Gln
72          245          250          255
73 Ser Leu Glu Gln Leu Glu Ala Leu Val Gln Thr Lys Asp Gln Glu
74          260          265          270
75 Ile Gln Thr Leu Lys Ser Gln Thr Gly Gly Pro Arg Glu Ala Leu
76          275          280          285
77 Glu Ala Ala Glu Arg Glu Glu Thr Gln Gln Lys Val Gln Asp Leu
78          290          295          300
79 Glu Thr Arg Asn Ala Glu Leu Glu His Gln Leu Arg Ala Met Glu
80          305          310          315
81 Arg Ser Leu Glu Glu Ala Arg Ala Glu Arg Glu Arg Ala Arg Ala
82          320          325          330
83 Glu Val Gly Arg Ala Ala Gln Leu Leu Asp Val Arg Leu Phe Glu
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104 Asp Ser Cys Arg Glu Val Thr Val Thr Pro Asn Ala Ala Trp Gly
105 35 40 45
106 Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr Leu His
107 50 55 60
108 Arg Ile Pro Thr Gln Pro Pro Ser Tyr His Lys Lys Pro Pro Gly

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112 Ala Leu Pro Pro Gly Pro Thr Pro Glu Asp Ser Pro Ser Leu Glu
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114 Thr Gly Ser Arg Gln Ser Asp Tyr Met Glu Ala Leu Leu Gln Ala
115         110         115         120
116 Pro Gly Ser Ser Met Glu Asp Pro Leu Pro Gly Pro Gly Ser Pro
117         125         130         135
118 Ser His Ser Ala Pro Asp Pro Asp Gly Leu Pro His Phe Met Glu
119         140         145         150
120 Thr Pro Leu Gln Pro Pro Pro Pro Val Gln Arg Val Met Asp Pro
121         155         160         165
122 Gly Phe Leu Asp Val Ser Gly Ile Ser Leu Leu Asp Asn Ser Asn
123         170         175         180
124 Ala Ser Val Trp Pro Ser Leu Pro Ser Ser Thr Glu Leu Thr Thr
125         185         190         195
126 Thr Ala Val Ser Thr Ser Gly Pro Glu Asp Ile Cys Ser Ser Ser
127         200         205         210
128 Ser Ser His Glu Arg Gly Gly Glu Ala Thr Trp Ser Gly Ser Glu
129         215         220         225
130 Phe Glu Val Ser Phe Leu Asp Ser Pro Gly Ala Gln Ala Gln Ala
131         230         235         240
132 Asp His Leu Pro Gln Leu Thr Leu Pro Asp Ser Leu Thr Ser Ala
133         245         250         255
134 Ala Ser Pro Glu Asp Gly Leu Ser Ala Glu Leu Leu Glu Ala Gln
135         260         265         270
136 Ala Glu Glu Glu Pro Ala Ser Thr Glu Gly Leu Asp Thr Gly Thr
137         275         280         285
138 Glu Ala Glu Gly Leu Asp Ser Gln Ala Gln Ile Ser Thr Thr Glu
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149 <223> OTHER INFORMATION: Incyte ID No: 2594049CD1
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155         20         25         30
156 Lys Thr Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly
157         35         40         45
158 Phe Ser Lys Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly
159         50         55         60
160 Ile Thr Gln Cys Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala
161         65         70         75

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163           80           85           90
164 Ser Ser Leu Ala Cys Ile Ile Ser Val Val Gly Met Arg Cys Thr
165           95          100          105
166 Val Phe Cys Gln Glu Ser Arg Ala Lys Asp Arg Val Ala Val Ala
167          110          115          120
168 Gly Gly Val Phe Phe Ile Leu Gly Gly Leu Leu Gly Phe Ile Pro
169          125          130          135
170 Val Ala Trp Asn Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro
171          140          145          150
172 Leu Val Pro Asp Ser Met Lys Phe Glu Ile Gly Glu Ala Leu Tyr
173          155          160          165
174 Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile Ala Gly Ile Ile
175          170          175          180
176 Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser Asn Tyr Tyr
177          185          190          195
178 Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser Pro Arg
179          200          205          210
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200 Pro Val Gln Ala Thr Ala Ile Ser Pro Pro Pro Val Leu Tyr Pro
201           35           40           45
202 Asn Leu Ala Glu Leu Glu Asn Tyr Met Gly Leu Ser Leu Ser Ser
203           50           55           60
204 Gln Glu Val Gln Glu Ser Leu Leu Gln Ile Pro Glu Gly Asp Ser
205           65           70           75
206 Thr Ala Val Ser Gly Pro Gly Pro Gly Gln Met Val Ala Pro Val
207           80           85           90
208 Thr Gly Tyr Ser Leu Gly Val Arg Arg Ala Glu Ile Lys Pro Gly
209           95          100          105
210 Val Arg Glu Ile His Leu Cys Lys Asp Glu Arg Gly Lys Thr Gly
211          110          115          120
212 Leu Arg Leu Arg Lys Val Asp Gln Gly Leu Phe Val Gln Leu Val
213          125          130          135
214 Gln Ala Asn Thr Pro Ala Ser Leu Val Gly Leu Arg Phe Gly Asp

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Output Set: N:\CRF4\05152003\I787677A.raw

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215          140          145          150
216 Gln Leu Leu Gln Ile Asp Gly Arg Asp Cys Ala Gly Trp Ser Ser
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218 His Lys Ala His Gln Val Val Lys Lys Ala Ser Gly Asp Lys Ile
219          170          175          180
220 Val Met Val Val Arg Asp Arg Pro Phe Gln Arg Thr Val Thr Met
221          185          190          195
222 His Lys Asp Ser Met Gly His Val Gly Phe Val Ile Lys Lys Gly
223          200          205          210
224 Lys Ile Val Ser Leu Val Lys Gly Ser Ser Ala Ala Cys Asn Gly
225          215          220          225
226 Leu Leu Thr Asn His Tyr Val Cys Glu Val Asp Gly Gln Asn Val
227          230          235          240
228 Ile Gly Leu Lys Asp Lys Lys Ile Met Glu Ile Leu Ala Thr Ala
229          245          250          255
230 Gly Asn Val Val Thr Leu Thr Ile Ile Pro Ser Val Ile Tyr Glu
231          260          265          270
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260 tgggcgaggt acagtgggag gccgagtttt tcgcaactgca ggacagcaac aacaagctgg 780
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**VERIFICATION SUMMARY**

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Output Set: N:\CRF4\05152003\I787677A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date